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SLA Tr 57-916

Sci - Physics

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JPRS 5412

3Eur - Germany

3con - Geography

3ep 60

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tive Experiments About the Intake of Lead- and
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Sci - Medicine
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CARBONS AT HIGH TEMPERATURES (Massenspek-
trometrische Untersuchungen von Kohlenwasserstoffen
bei Hohen Temperaturen). [1960] [12]p. 10 refs.
Order from SLA ml\$2.40, ph\$3.30 61-10540

Trans. of Z[schrift für] Naturforschung (West Ger-
many) 1958, v. 13a [no. 1] p. 16-21.

The mass spectra of nine saturated hydrocarbons
with 5, 6 and 7 C atoms are studied in the temperature
range between 100 and 900°C. For measurement the
walls of the ionization zone of the ion source in which
the gas to be studied is present under a pressure of
ca. 10^{-3} Torr. can be heated to ca. 1000°C. Gold
serves as the wall material. For one of the hydro-
carbons (2, 2-dimethylbutane) an additional measure-
ment was made of how the spectrum changes when the
walls of the ionization zone are clad with a cracking
catalyst. The catalyzed methane formation could be
(Physics--Spectroscopy, 12 May 61) (over)

61-10540

1. Hydrocarbons--Spectro-
graphic analysis
2. Mass spectrometers--
Applications
1. Ehrhardt, H.
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Irradiation, by F. Lieben, G. Ehrlich, 9 pp.

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Ehrlich, 35 pp.

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*Alkaline earth metals.

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63-12932

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- III. Gentsch, L.
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p. 58-73.
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SLA 57-3300

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Irritant Gas Intoxications, by H. Ehrlicher.
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DESCRIPTORS: Industrial plants, Safety, Sanitary
engineering, *Air, *Contamination, *Toluenes,
Cyanates, Countermeasures.

(Engineering--Sanitation, TT, v. 7, no. 11)

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1. Ehrlicher, H.

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Ions H⁺ dans les Verres). [1968] [30p] (foreign text
included) 5rpts
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(Materials--Ceramics, TT, v. 12, no. 2)

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I. Ehrmann, P.
II. Billy, M. de
III. Zarzycki, J.

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Investigations of Temperature Sensation.
I. Effect of Carbon Dioxide and Oxygen on
Thermesthesia, by A. Goldscheider, R. Ehrmann.
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NASA TT F-9832

R. Ehrmann

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THE PROTECTION OF CHEMICAL INVENTIONS UN-
DER THE GERMAN PATENT LAW. [1961] [7]p.
Order from SLA \$1.10

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Trans. of German language article from an unidentified
source, n.d.

DES

DESCRIPTORS: *Patents, Inventions, Chemistry,
Germany.

German patents differ from US patents in many details.
The German patent is valid for a period of 18 years
from the date of filing. Its legal protection begins
when it is published. The German patent is opened to
opposition by publication prior to issue. Any interested
party with proper cause or alleged cause can oppose the
issue of the patent during a three-month period from
date of publication. (Author)
(Chemistry, TT, v. 7, no. 9)

62-10401

I. Ehrmann, R. H.

206032

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The Role of Toxoplasmosis in the Serology of Lues,
by G. Ehrmann-Binder, 8 pp. UNCLASSIFIED

GERMAN, per, Z. f. Haut u. ~~SK~~ Geschlechtskr,
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Order from SLA \$1.10 62-10401

Trans. of German language article from an unidentified
source, n.d.

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issue of the patent during a three-month period from
date of publication. (Author)
(Chemistry, TT, v. 7, no. 9)

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SLA 59-15164

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Vol 2, No 4

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Scientific - Medicine
Nov 56 CTS

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and Ore Samples, by K. ~~HEINRICH~~ Ehrmann, H.
Sporbeck.

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No 5, 1959, pp 36-42.

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FRENCH, per, Verres et Refractaires, Vol
15, No 3, 1961, pp 131-139.
NTC 69-10829-11B

P. Ehrmann

Sci-Mat
May 69

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of Sands and Sand-Covered EM Clays Under Forest Near
Eberswald, by E. Elwald, E. Vetterlein, W. Schulz,
10 pp.

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Eian, K.
PACKAGING LACQUERS AND ALUMINIUM TUBES.
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Trans. of Tidsakrift for Hermetikindustri (Norway)
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DESCRIPTORS: *Varnishes, Food, *Containers,
Packing materials, Films, *Aluminum tubing.

(Materials--Finishes, TT, v. 10, no. 11)

63-22750

I. Eian, K.
II. MT Trans-329
III. Tollemache, M. de O.
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No 7, 1950, pp 558-587.
NLL Ref: 5828.4F (12879)

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(DC-4969)

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JMS 6986

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With Special Consideration of Light Soils,
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Sci - Biol
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Industries, by T. Eich, 4 pp.

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SLA 59-15664

Sci
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Vol 2, No 3

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SLA 59-15663

Sci
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Vol 2, No 3

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GERMAN, per, Rohde and Schwarz Mitt, No 11, 1958, pp 185-205.

AEC/sci-T-253

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Sci - Electronics
Aug 59

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A MATERIAL-CHARACTERISTICS TEST ASSEMBLY FOR DETERMINING THE ELECTROMAGNETIC MATERIAL CONSTANTS OF SOLID AND LIQUID MEDIA AT FREQUENCIES BETWEEN 30 AND 7000 MC AND TEMPERATURES BETWEEN -60° AND +240°C
[Messplatz zur Bestimmung der Elektromagnetischen Stoffkonstanten Fester und Flüssiger Medien bei Frequenzen Zwischen 30 und 7000 MHz und Temperaturen Zwischen -60° und +240°C]. Aug 59 [21]p. 15 refs.
Order from LC or SLA mi\$2.70, ph\$4.80 61-19212

Reprint from English ed. of Rohde und Schwarz Mitteilungen (West Germany) 1958, no. 11, p. 185-205. Another translation is available from LC or SLA mi\$3.90, ph\$10.80 as SCL-T-253, 28 May 59, 70p.

A test assembly is described which consists of a coaxial standing-wave detector for the desired frequency range and of coaxial containers making possible measurements on solid and liquid material specimens at room tem- (Engineering--Electronic, TT, v. 5, no. 10) (over)

61-19212

1. Electromagnetic potential--Measurement
2. Liquids--Electromagnetic properties
3. Solids--Electromagnetic properties
1. Eichacker, R.

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The '2-g Diagraph' - A Direct Indication Characteristic
Measuring Instrument For 30 to 300 Cps, by Von R.
Eichacker. UNCLASSIFIED

GERMAN, Rohde and Schwarz Reports No 2, 1952,
pp 75-82.

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Scientific - Aeronautics

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Eichborn, J. L. von.

WETTING OF METALS BY WATER. [1962] 34p.
33 refs.

Order from SLA \$3.60

62-18838

Trans. of Werkstoffe und Korrosion (West Germany)
1951, v. 2, p. 212-221.

DESCRIPTORS: Metals, *Mercury, *Gold, *Silver,
Platinum, Nickel, Brass, Copper, Zinc, *Surface-active
substances, *Water vapor, Absorption, Hysteresis,
Surface tension, Adhesion, Catalysis, Electrochemistry

(Metallurgy--Corrosion, TT, v. 9, no. 10)

62-18838

J. L. Eichborn, J. L. von

Office of Technical Services

THE LOCALLY MANAGED SOCIALIST INDUSTRY AND
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EICHBORN, 25 PP.

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1962, PP 1513-1532.

JPRS 16503

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(Carpinus Betulus) in Latvia, by K. Kirstein, V.
Riche, 11 pp.

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1933, pp 436-448.

SLA 57-1241

Sci - Biology
Mag 58

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Eichelbaum, G.
PROCESS FOR PREPARATION OF A FEED FROM
FISH AND WASTE MARINE MATTER OF ALL
TYPES. [1963] 2p
Order from OTS, SLA, or ETC \$1.10 TT-63-20588

Trans. of German patent 319,023, 13 Feb 20, by
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DESCRIPTORS: *Food, *Animals, Fishes, Marine
biology, Aquatic animals, Taste,

(Agriculture--Animal Husbandry, TT, v. 11, no. 5)

TT-63-20588

I. Eichelbaum, G.
II. Patent (Germany)
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Laminar Boundary Layer in Compressible Flow, by
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GERMAN, publ, ONERA Publ 83, 1956.

T.I.L. T-4712

Sci - Physics

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SEP 95-1012

Laminar Separation in Two Dimensions - Comparison
Between Theory and Experiment, by A. E. A. Eichel-
brenner, W. Werle. UNCLASSIFIED

FRENCH, per, Office National D'Etudes et de
Recherches Aeronautiques. La Recherche Aeron-
autique, No 51, May/Jun 1956.

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Sci - Physics
Jan 61

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Observations Regarding a Criterion of Laminar Separation in the Three-Dimensional Boundary Layer, by E. A. Michelbrenner, A. Guitart, 9 pp.

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Sci - Physics

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NACA H-49904
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May 57

Eichelbrenner, E. A. and Oudart, A.
THREE-DIMENSIONAL LAMINAR BOUNDARY LAYER
SEPARATION (Le Décollement Laminaire en Trois
Dimensions) tr. by D. A. Sinclair. 1961, 10p. 4 refs.
NRCC Technical trans. 963.
Order from NRCC \$0.50

NRCC C-3686

Trans. of la Recherche Aéronautique (France) 1955.
no. 47, p. 11-14.

DESCRIPTORS: *Laminar boundary layer, Separation,
Cylindrical bodies, Tests, Wind tunnels, Hydrody-
namic laboratories, Mathematical analysis.

(Mechanics--Aerodynamics, TT, V. 6, no. 9)

61-25164

- I. Eichelbrenner, E. A.
- II. Oudart, A.
- III. NRCC TT-963
- IV. NRCC C-3686
- V. National Research Council of
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Office of Technical Services

The Lift of Sweptback Wings at Supersonic
Speeds by E. A. Eichelbrenner

FRENCH, Rech. Aero. , Jan/Feb 1952, pp 19-20.

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The Diffusion and Solubility of Oxygen in Ag.
by W. Lichenauer.
GERMAN. per. Z. Metallurg. No 53, 1962, pp 321-
324.
*NBS TT 70-57415

Sol-Ent
Aug 70

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The Diffusion and Solubility of Hydrogen in
Metals, by W. Eichenauer.

FRENCH, per, Revue Metallurgie Memoires Scientifiques,
Vol LVII, Dec 1960, pp 943-948.

BISI 2644

Sci - Min/Metals

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Diffusion and Solubility of Hydrogen in Alpha-Iron and Silver, by W. Eichenauer, et al. UXCL

GERMAN, per, Z Metallkunde, May 1958, pp 220-225.

British Iron and
Steel Ind 1238
(13 10s. 08.)

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~~62-16175~~ Walter, Hattenbach, Karl, and
Pebler, Alfred.

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DESCRIPTORS: *Aluminum, Melting, Liquid metals,
Solids, *Hydrogen, Solubility.

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360°C and 1050°C has been calculated from the
temporal process of degassing. The following relation
stands for solid aluminium: $\log l = 0.521 - (3042/T) + 1/2$
 $\log p$ (l in cm³ NTP/100g, p in Torr, T in °K). The
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DESCRIPTORS: *Hyperfine structure, *Rare earths,
Ions, Crystals, *Nuclear energy levels, Electrons,
Nuclei, Crystal lattice, Relaxation time, Nuclear
moments

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action of the nuclear moments with the electron system;
the interaction between electrons and crystal field, in-
teraction of the electrons with the nucleus; the quanti-
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DESCRIPTORS: *Steel wire, *Dies, Heating,
Processing, Friction, Temperature, Test equipment,
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